INSTALLATION GUIDE

•

OWNER'S GUIDE

KEYLESS ENTRY AND ALARM SYSTEM • MODEL 1402

CONTENTS

BULLDOG SECURITY

SYSTEM FEATURES

2 Four-Button Extended Range Remote Control	Control your car from an extended distance.
Keyless Entry	Remotely locks and unlocks your power door locks.
Remote Locking and Unlocking with Ignition Switch	Remotely locks your power door locks when the ignition is turned on and unlocks your power door locks when the ignition is turned off. **NOTE: This feature can also be used while the unit is wired as an alarm.**
Remote Valet	Lets you program off the alarm section when it is not needed.
Remote Full Time Silent Arming	This system will perform all its functions except no chirping when arming or disarming the system.
Remotely Programmable Passive Arming	Automatically arms the system one minute after the last door is closed.
Delayed Dome Light Bypass	Set this option if your vehicle has delayed dome lights to prevent false alarms.
Last Door Closed Indicator Programmable	When the last door is closed, a series of beeps or chirps (long, short, long) will be heard when the unit is programmed for passive arming. NOTE: This is disabled when the delayed dome light bypass feature is turned on.
Automatic Annoyance Override	If the same zone is violated three times while the system is armed, that zone will be deactivated until the unit is disarmed and rearmed.
On-Board Parking Light Relay	Built-in relay provides a positive (+) parking light output. No relay needed.
Instant Panic Personal Protection	Provides instant protection by sounding the car's horn or siren (not included).
Plug In Six Function LED Status Indicator	A visual theft deterrent that flashes when the system is armed. Lets you know which zone has been violated, and provides a visual reference for you.
E Square Memory Backup	The system will memorize its programmed features in the event that the power is lost.
Code Learning	Allows your remote starter to learn new remotes, should you want to add remotes, or if remotes are lost.
Optional Features (Relays required)	Accessory Output #1 Accessory Output #2 Horn Beep or Siren Dome Light Supervision, Starter Disable
Limited Lifetime Warranty	Guarantees life-long protection.

SYSTEM COMPONENTS

Your system includes:
1-Installation & Operation Guide
1-Main Control Module
2-Four Button Remote Transmitters
1-Wire Harness

1-Momentary Switch
1-LED Status Indicator and Bracket
1-Warranty

REQUIRED TOOLS

You will need a computer-friendly test light and a 5/16 drill bit when mounting the hood pin switch. In most cases no additional tools are required, however if the bottom of your dash on the driver's side will come off you must remove it. In this case a screwdriver or socket set may be needed.

TECHNICAL ASSISTANCE

Should you need help. First check our website at www.bulldogsecurity.com/wires.htm or call our toll-free Tech Support Hotline Monday through Friday 9AM-8PM and Saturday 10AM-4PM EST at 800-878-8007.

You must give the following information:
• Name
• Telephone Number with Area Code (Fax number if applicable)
• Year, Make, and Model of the vehicle
• The model number of the system you are installing
• The type of assistance you are requesting

If you give the above information you will be called back as soon as possible, usually within 10 minutes.

BEFORE YOU BEGIN

Congratulations, you have purchased one of the most advanced alarm systems ever made. Your new system is a technological breakthrough utilizing the most advanced, state of the art technology and components. It is computer controlled and manufactured in the U.S.A. The dependability and variety of features make Bulldog Security the leader in the industry. Enjoy your new system for years to come!

Since there are many different makes and models of vehicles, look at the **wiring chart** on our website, www.bulldogsecurity.com/wires.htm.

Read this manual thoroughly before starting the installation.

PRECAUTIONS

This system is designed for vehicles with power door locks only.

This system will add remote keyless entry features to any vehicle with power door locks. This will also work as a replacement system for the factory installed keyless entry system.

Use masking tape to indicate the preferred mounting locations of interior components, LED and override switch.

Disconnect the dome light fuse until you are ready to plug the unit in.

DO NOT use mechanical wiring connections, such as **crimp or snap together taps**. Follow instructions on pages 2-3.

DO NOT disconnect the battery if the vehicle has an anti-theft-coded radio or is equipped with an airbag. Doing so may cause a warning light to be displayed and may require a trip to the dealer to be corrected.

DO NOT leave the interior or exterior lights on for an extended period of time as it may cause battery drain.

DO NOT mount the control module until all connections have been made and tested. Using wire ties or double sided tape, **MOUNT THE MODULE UNDER THE DASH**.

DO NOT plug the harnesses into the control module until all connections have been made. Be careful to line up the pins on the unit with the wiring harness plug (lip up - Red wire to the right). Failure to do this will cause severe damage to the unit and possibly to the vehicle.

TESTING YOUR WIRES

When testing for a positive or negative voltage, you must use a computer friendly test light (logic probe) or a volt/ohm meter. Make sure to probe and test each wire before making your connections.

MAKING WIRING CONNECTIONS

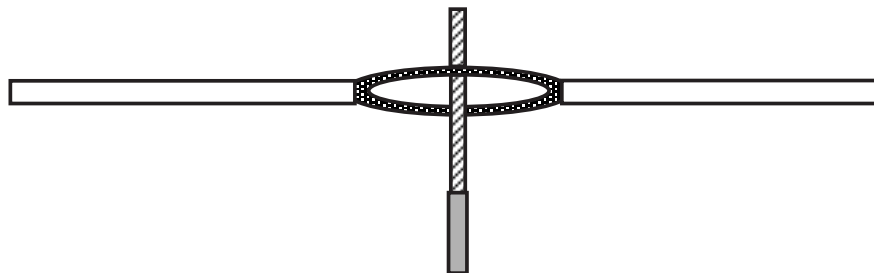1. Strip back two inches of insulation on the wire from the keyless entry.

Two Inches of Bare Wire
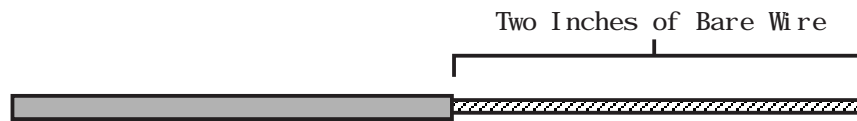
2. Strip back one inch of insulation on the wire you need to connect to.
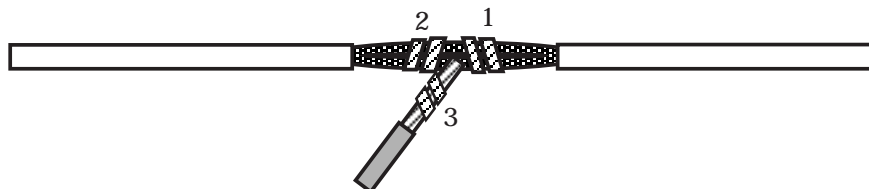
One Inch of Bare Wire
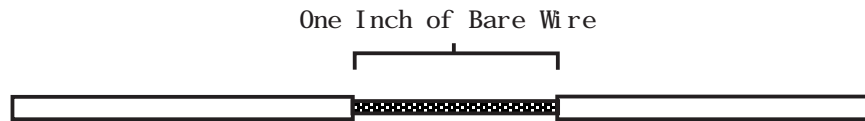
3. Separate the vehicle wire as shown. Make the separation large enough to fit the other wire through.

4. Insert the wire from the unit through the hole as shown.

5. Wrap the wire around one side then the other and finally around itself as shown.

2 1

3

6. Use electrical tape to wrap. Be sure to cover the wire about two inches on either side of the connection. First pull the wire that you have just connected along side the wire you connected to, tape and wire tie them together. Use this method for all connections.

Wire Tie

Electrical Tape

CAUTION: All wires must be wrapped and taped.

MAKING END TO END CONNECTIONS
FOLLOW THESE INSTRUCTIONS

1. When tying two separate wires together at their ends, strip back 1" of insulation on both wires and separate the strands of wire as shown below.
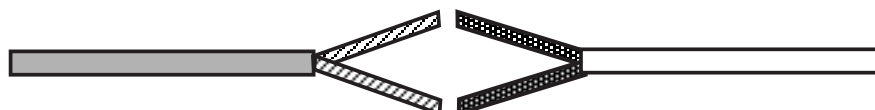
2. Twist upper wires together, twist lower wires together as shown.

3. Lay upper twisted pair of wires over right wire as shown. Bring lower twisted pair of wires up to meet the left wire as shown.

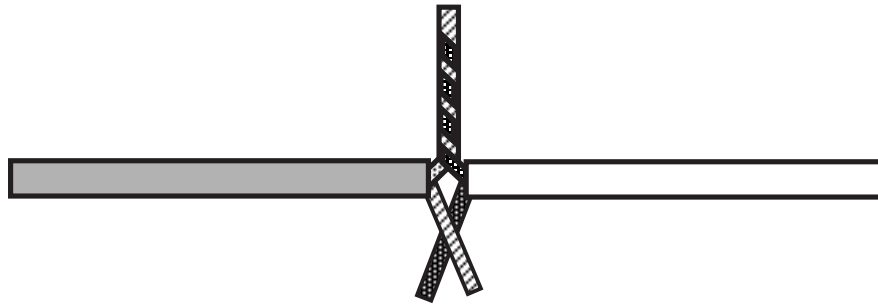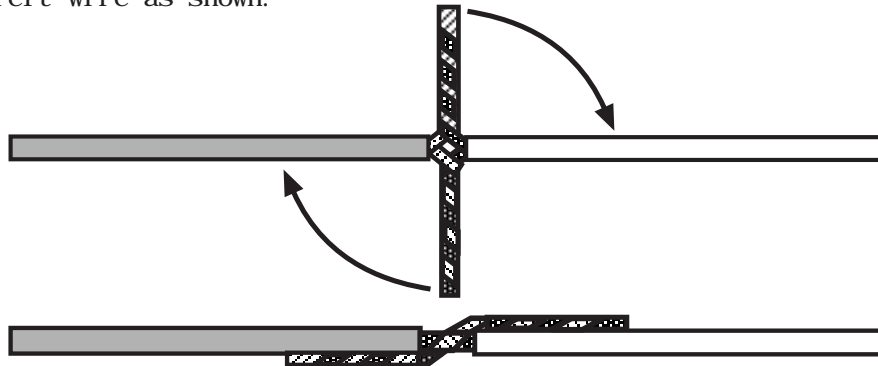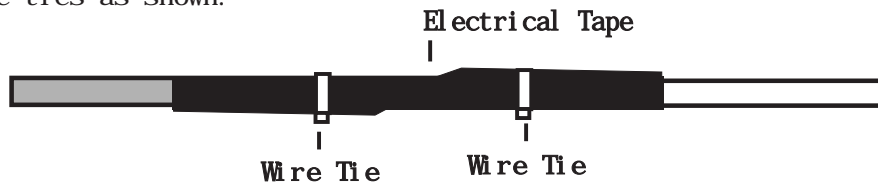4. Use electrical tape to wrap, be sure to cover about 2 inches on either side of connection. Secure with wire ties as shown.

Electrical Tape

Wire Tie   Wire Tie

Use this method ONLY when connecting two separate wires end to end.

LOCATING & MAKING CONNECTIONS

Please see the wiring chart on our website, www.bulldogsecurity.com.

CONSTANT POWER (+12V, key in any position including off)
This system operates on constant 12 volts, the system also needs a source of power that is only on when the ignition is turned on (usually referred to as "Ignition Power".

1. Locate the wires going to your vehicle's ignition switch (usually located coming down the steering column). When looking for constant 12 volts: Usually a large gauge wire located at the ignition switch harness. Probe these wires until you find one that turns a "computer-friendly" test light , or shows 12 volts when the ignition switch is turned to the ON, OFF, START and ACCESSORY positions. If this wire cannot be located at the ignition switch harness, run at least a 16 gauge wire from the positive battery terminal fused at 6 inches from the positive battery post to the inside of the vehicle through the firewall. (additional hardware is needed.)

2. Mark this with its function "Constant Power".

3. Turn the ignition ON. Probe for a wire that shows 12 volts only when the ignition is on. Confirm this by turning the ignition on and off while probing each wire.

4. Mark this wire with its function "Ignition Power".

5. If these wire cannot be located, please call our technical support staff at 800-878-8007.

CONNECTING THE POWER AND GROUND

1. Connect the **RED** wire from the harness to a constant 12 volt supply or to the wire you ran from the positive battery post (if no constant 12 volt supply was found at the ignition switch harness).

2. Connect the **BLACK** wire from the harness to a clean chassis ground, usually a steel automotive body part connected to the negative side of the battery.

CONNECTING IGNITION POWER

1. Connect the **YELLOW** wire from the harness to the wire market Ignition Power.

FINDING THE PARKING LIGHT WIRE (optional - included)

To have the parking lights flash when using keyless entry or during a violation, you must connect the 1402 to the vehicle's parking lights.
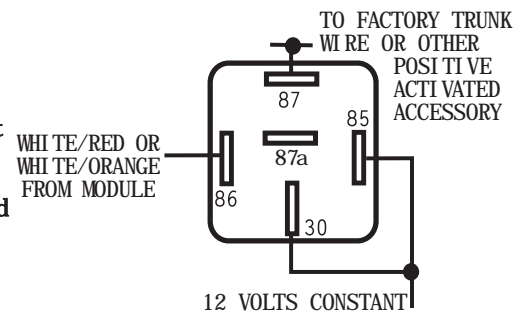
1. Locate the wire harness coming from the back of your vehicle's light control. If the control is on your vehicle's steering column, the harness probably joins several wiring harnesses.

2. Use the vehicle's wiring color code to find the parking light wire. Connect this wire to the parking light wire usually located under the hood going to your parking lights.

3. Turn on the parking lights. Probe the wires. The test light should light indicating **12 volts only when the parking lights are on**.

4. After you locate the wire, use a piece of masking tape to mark it with its function (Parking Lights).

CONNECTING THE PARKING LIGHT WIRE

Connect the **BROWN** wire from the wiring harness to the wire marked "Parking Lights".

CONNECTING THE NEGATIVE OUTPUT #1

THE **WHITE/ORANGE** wire is used to operate a remote car starter, window roll-up module, etc. for as long as transmitter button #2 is depressed. **NOTE: A SPST or SPDT relay must be used if you want to convert the negative signal to positive or if the device you're controlling draws more than 200ma. If you're not sure how much amperage is being drawn, add the relay. This negative output is only rated for 200ma (1/5 amp). CAUTION: Overloading these outputs is not considered a warranty related repair.**

TO FACTORY TRUNK WIRE OR OTHER POSITIVE ACTIVATED ACCESSORY

87   85

WHITE/RED OR WHITE/ORANGE FROM MODULE

87a

86   30

12 VOLTS CONSTANT

CONNECTING THE NEGATIVE OUTPUT #2

The **RED/WHITE** wire is used to operate the power trunk release, power sun roof, window roll-up module, etc. for as long as transmitter button #3 is depressed. **NOTE: A 30 amp relay must be used since this negative output is only rated for 200 ma (1/5 amp). Since most power trunk releases are positive controlled and draw 5 to 6 amps, this relay handles the load and also can convert the release signal from negative to positive polarity.**

INSTALLING THE FLASHING LED STATUS INDICATOR (optional)

The L.E.D. indicator installs inside your vehicle and should be installed as high as possible and in view from all windows. Drill a 1/4 inch mounting hole in the dash panel or use the supplied mounting bracket to hold the L.E.D. status indicator in place.

GROMMET   LED INDICATOR
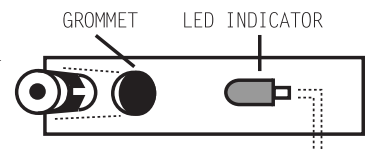
CONNECTING THE LED STATUS INDICATOR

Plug the LED status indicator into the connector on the right side of the main header.

WHITE PLUG ON THE LEFT OF MODULE

BLUE PLUG ON THE RIGHT OF MODULE

OVERRIDE SWITCH

22 GA BLACK WIRE WITH GREEN TAG (Shock or microwave sensor, (negative input), optional accessories required

LED INDICATOR

GROUND
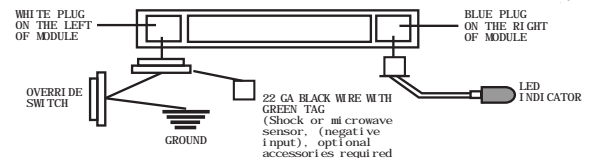
CONNECTING THE MAIN WIRING HARNESS TO THE MODULE

Carefully plug the main harness into the 1402 module. **DO NOT plug the harnesses into the control module until all connections have been made. Be careful to line up the pins on the unit with the wiring harness plug (lip up - Red wire to the right). Failure to do this will cause severe damage to the unit and possibly to the vehicle.**

CONNECTING THE STARTER DISABLE (Additional hardware needed)

Locate the cranking wire at the base of the steering column. When testing, the cranking wire will show 12 DC only when the key is in the cranking position. Once located, cut the wire in two. Try to crank the engine, it should not crank. Next, mark both ends of the cranking wire. The wire running back into the steering column, mark "Key Side", and the wire running toward the engine, mark "Starter Side".

Connect the control module ORANGE wire negative (-) out when armed to the optional starter disable relay (-) negative input. Pin 86 on SPDT 30 amp relay or use part #PRO1010 and relay #30-ARB
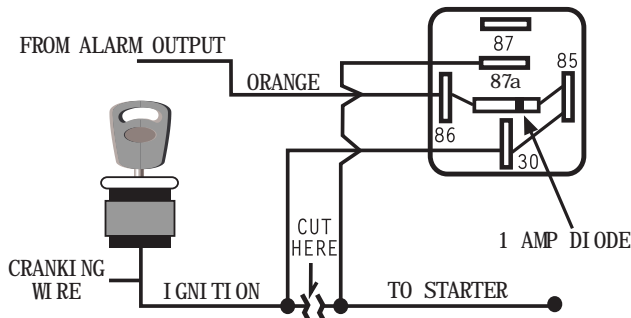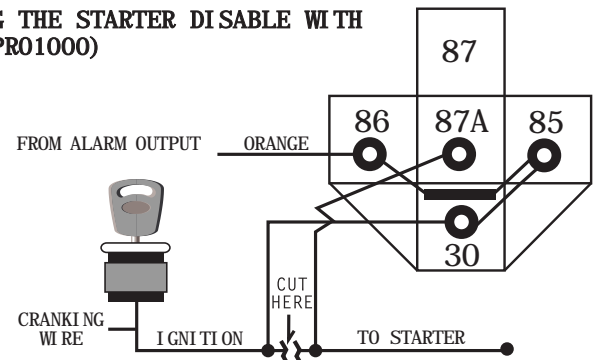
To connect "Key Side" and "Starter Side" of the cranking wire to the optional relay for Starter Disable.

Use a wire tie to secure the starter disable relay to a non-moving part under the dash.

CONNECTING THE STARTER DISABLE WITH RELAY ONLY

FROM ALARM OUTPUT

ORANGE

87
85
87a
86
30

CUT
HERE

1 AMP DIODE

CRANKING
WIRE   IGNITION   TO STARTER

CONNECTING THE STARTER DISABLE WITH HARNESS (PRO1000)

FROM ALARM OUTPUT   ORANGE

87
86   87A   85
30

CRANKING
WIRE   IGNITION   TO STARTER

CUT
HERE

DETERMINING YOUR VEHICLE'S DOOR PIN SWITCH TYPE
NOTE: For your alarm system's arming feature to work, you must connect the alarm to the door pin switch.

On some vehicles this wire might also be called a door trigger and is usually located behind the driver's kick panel. Some vehicles have logic controlled dome and courtesy lights that turn on differently depending on which vehicle door is opened. **NOTE: Some vehicles such as Honda have door switch isolation diodes on each door. These vehicles must be wired at the wire that triggers the dome light circuit after the diodes. If the door switch wires are difficult to reach, connect the input wire to the dome light itself. Be sure to locate a wire that is triggered from all your vehicle's doors.**

Touch your test light's positive lead to a point on the fuse block that has constant 12 volts. Use the other lead to probe the control wire. Then open the door. If the test light turns on, your vehicle has a negative (-) switch door pin.

Connect your test light's negative lead to a good solid chassis ground. Use the positive lead or other lead to probe the control wire. Then open the door. If the test light illuminates, your vehicle has a positive (+) switch door pin.

Use masking tape to mark the wire with its function "Dome Light" and switching type "positive" or "negative".

CONNECTING THE DOOR PIN SWITCH (Programmable option)
Connect the **GREEN/BLACK** wire from the module to the wire marked "Dome Light". (Select positive or negative according to the pin switch type when in programming mode - refer to programming mode, page ____. **NOTE: The door inputs activate 10 seconds after arming. If the 1402 chirps three times with the door closed, after arming the system, the wrong door option has been selected.**

FINDING THE EXISTING CAR HORN WIRE
NOTE: If connecting the optional siren (not included), to "Mounting and Connecting the Optional Siren" below.
The existing car horn wire will usually be found in a harness at the base of the steering column. Probe for a wire which will remain neutral until the horn is pressed. When the horn is pressed, the test light will show a negative pulse or a ground. To be sure that this is the correct wire, simply pulse the chassis ground to this wire. The horn should sound. Mark this wire with its function, "Horn".

CONNECTING THE CAR HORN WIRE
Connect the **GRAY** wire from the 1402 to the wire marked "Horn".

MOUNTING AND CONNECTING THE OPTIONAL SIREN (Not included, Optional relay SPDT TYPE needed, part #30-ARB)
Select a location under the hood for the siren. For best results, the location should meet the following conditions:
•The mounting location should be solid and have no moving parts nearby.
•For the loudest sound, the siren should point down.
•The siren should not point straight up as moisture could collect in the siren horn and damage

the system.
- To prevent water damage, the siren should NOT be mounted in a wheel well, directly behind the radiator grill or close to the ground.
- Mount the siren as far away from sources of heat, i.e. exhaust manifold, turbo charger, etc. as possible. Tape, wrap or tube all wires. Run all wires to the siren as high up in the engine compartment as possible to prevent cutting from below.
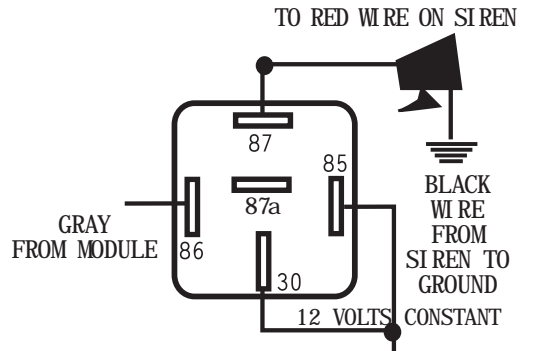
Using the siren base as a template, mark the three mounting holes.

Drill a 1/8 inch hole at each mounting hole location, taking care not to damage anything behind the mounting surface.

Secure the siren to the mounting location with two of the mounting screws.
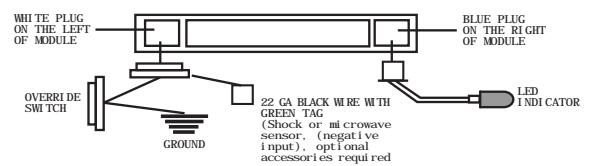
Connect the siren's **BLACK** wire with the third mounting screw and install the third screw.

Connect the siren's **RED** wire to a relay.

TO RED WIRE ON SIREN

87
85
87a
GRAY
FROM MODULE   86
30
BLACK
WIRE
FROM
SIREN TO
GROUND
12 VOLTS CONSTANT

MOUNTING AND CONNECTING THE OVERRIDE SWITCH
Select a location for the override switch. You should be able to reach the switch when sitting in the driver's seat, but the switch should be hard to find. A typical mounting location is under the dash. The mounting surface should be less than 1/8 inch thick.

WHITE PLUG
ON THE LEFT
OF MODULE

BLUE PLUG
ON THE RIGHT
OF MODULE

OVERRIDE
SWITCH

GROUND

22 GA BLACK WIRE WITH
GREEN TAG
(Shock or microwave
sensor, (negative
input), optional
accessories required

LED
INDICATOR

Drill a 5/16 inch hole in the mounting surface, taking care not to damage anything behind the surface.

Remove the switch's top nut and lock washer.

Push the switch into the hole from the back of the mounting surface. Then secure it with the lock washer and nut.

Connect the ground wire to a metal vehicle body part using an existing screw.

Plug override switch into the left side of the main header.

CONNECTING THE DOME LIGHT SUPERVISION
(Optional relay SPDT TYPE needed, part #30-ARB)
Connect the **VIOLET** wire from the control module wiring harness to the relay. Connect the relay to the "dome light" wire, normally found in the driver's kick panel. NOTE: A relay must be used to connect the dome light supervision function.

TO DOME
LIGHT
CIRCUIT

87
85
(-) VIOLET
FROM MODULE
87a
86
30
12V (+)
FUSED AT 5
AMPS

(+) OR (-) DEPENDING ON
DOOR TYPE NOTE: IF (+),
FUSE AT 20 AMPS
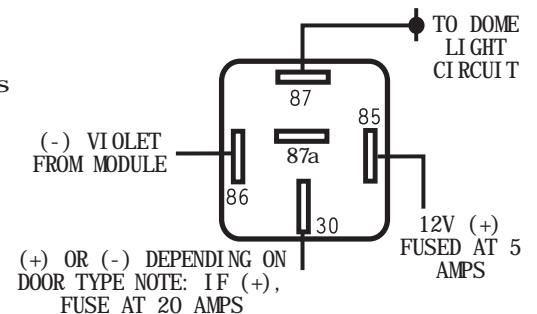
CONNECTING ADDITIONAL SENSORS
NOTE: We suggest adding the optional shock sensor model UTB-2 for additional protection.
Follow the instructions that come with the sensors to mount and power them. The system requires a negative (-) output from the sensor for activation of the alarm. If you add more than one sensor, a diode must also be added. **NOTE: This unit is designed to use only a single stage sensor. If you are using a dual stage sensor, use only the major output of the sensor. CAUTION: When adding more than one perimeter sensor on the same input trip, you must add a 500ma diode to the output of each sensor.**

CONNECTING WIRING HARNESS

L.E.D. (BLUE)

RED — (+) 12 Volt Constant — 15 AMP FUSE — BATTERY + −

BLACK — Chassis Ground

BROWN — (+) Parking Light Output

ORANGE* — (−) Output when armed; starter disable, etc.

YELLOW — (+) 12 Volt Ignition Sense Input — Ignition Harness — (or) — Fuse Box

BLUE* — (+) Lock or (−) Unlock Output 200ma Max

GRAY* — (−) Output to Horn Relay 200ma Max — (or) — Optical Siren Output

WHITE/ORANGE* — Button #2 / Channel #2 (−) Output; Remote Start, Etc. 200ma Max

BLUE/WHITE* — (+) Unlock or (−) Lock Output 200ma Max

PURPLE* — (−) Output Dome Light Supervision 200ma Max

GREEN/WHITE
- (+) Door Pin Input / 20 Second Delay After Arming — (+) 12 VOLTS
- (−) Door Pin Input / 20 Second Delay After Arming — GROUND

(Programmable)

WHITE — Button #3 / Channel #3 (−) Output; Trunk Release, Window Roll-up, Etc. 200ma Max

Negative Input (WHITE)
- Negative Input (optional shock or perimeter sensor) - 22GA Wire w/Green Tag
- Override Switch

*Optional relay may be required.

OPERATOR PROGRAMMING INSTRUCTIONS

ENTERING PROGRAMMING MODE
Make sure your vehicle is not running and the brake is pressed. The brake is to remain pressed as long as you want to remain in programming mode. The only exception is when a different remote has been learned. The unit will exit the programming mode simply by releasing the brake and the parking lights will flash three (3) times.

PROGRAMMING FOR KEYLESS ENTRY

TO PROGRAM IGNITION CONTROLLED DOOR LOCKS ON
    A. Turn the ignition switch on vehicle to the on or run position.
    B. Press and hold button #1 on transmitter for approximately 1 0 seconds or until parking lights flash once. Release button #1.
    C. Press and release button #2 on the transmitter. The parking lights will flash twice and the LED will begin to flash.
    D. Press button #1 on the transmitter. The parking lights will flash once indicating ignition controlled door locks are on.
    E. Turn the ignition switch to the off position. The parking lights will flash 3 times and the LED will stop flashing. Your vehicle now has ignition controlled door locks.

TO TURN IGNITION CONTROLLED DOOR LOCKS OFF
    Repeat above procedure. In step D, the parking lights will flash twice instead of once.

PARKING LIGHT FLASHES	SETTING
1	On
2	Off

TO PROGRAM PASSIVE ARMING WITH OR WITHOUT DOOR LOCKS
    A. Make sure system is disarmed.
    B. Turn the ignition to the on or run position.
    C. Press and hold button #1 on the transmitter for approximately 10 seconds or until the parking lights flash once.
    D. Press and release button #3. The parking lights will flash 3 times and the LED will begin to flash.
    E. Press and release button #2 until the desired option is selected:
      -1 Parking light flash = Door lock in passive arming
      -2 Parking light flashes = Doors won't lock in passive arming
      -3 Parking light flashes = Passive arming is not turned on (To turn on passive arming, refer to passive arming on in programming options)
    F. Turn the ignition switch to the off position. The parking lights will flash 3 times and the LED will stop flashing.

TO PROGRAM IGNITION CONTROLLED DOOR LOCKS ON/OFF
If you turned this feature on in programming options for keyless entry, then it is turned on for the alarm feature. To turn this feature on and off, please make sure the system is disarmed and follow the procedures for ignition controlled door locks in the keyless entry, section.

OPTIONAL FUNCTIONS

OPTIONAL ACCESSORY ONE (Optional Equipment Required)
This accessory can be used for remote engine starting, remotely popping the trunk, etc. (Additional Module Required) Press transmitter button #2. The parking lights will stay on and the installed accessory will activate for as long as the button is pressed. NOTE. When using this option while the system is armed, the negative input sensor will shut off for 2 minutes. If the ignition is turned on, the negative input sensor is off for 5 seconds after the ignition is turned off. **CAUTION - As long as transmitter button #2 is pressed, a ground signal is applied to the accessory**.

OPTIONAL ACCESSORY TWO (Trunk Release, Etc.) (Must Use Relay)
    Press and release transmitter button #3 and the optional accessory will activate (if connected).
NOTE: When using this option while the system is armed, the negative input sensor will turn off for 2 minutes. If the ignition is turned on, the negative input sensor is off for 5 seconds after the ignition is turned off.

PROGRAMMING OPTIONS FOR ALARM

TO PROGRAM FULL TIME SILENT ARMING ON
NOTE: When used as an alarm, make sure system is disarmed.

9

A. Turn the ignition switch to the on or run position.
B. Press and hold button #1 on the transmitter for approximately 10 seconds or until parking lights flash once.
C. Press and release button #2 on the transmitter. The parking lights will flash twice and the LED begins to flash.
D. Press and release button #3 on the transmitter. The parking lights will flash once. System is now in silent arming mode.
E. Turn the ignition switch off. The parking lights will flash 3 times and the LED will stop flashing.

TO PROGRAM FULL TIME SILENT ARMING OFF
Repeat above procedure. In step D, the parking lights will flash twice instead of once.

TO PROGRAM PASSIVE ARMING ON
A. Make sure system is disarmed.
B. Turn the ignition switch to the on or run position.
C. Press and hold button #1 on the transmitter for approximately 1 0 seconds or until the parking lights flash once.
D. Press and release button #3 on the transmitter. The parking lights will flash 3 times and the LED will begin to flash.
E. Press and release button #1. The parking lights will flash once. Passive arming is now on.
F. You must now choose whether or not to have the system lock your doors automatically when it fully arms itself in passive arming.
G. By pressing and releasing button #2, you can choose:
-1 Parking light flash for yes
-2 Parking light flashes for no
-If parking lights flash 3 times, go to step E
H. After these choices are made, you can exit programming passive arming on.
I. Turn the ignition switch to the off position. Parking lights will flash 3 times and the LED will turn off.

TO PROGRAM PASSIVE ARMING OFF
A. Make sure system is disarmed.
B. Repeat above procedures A-E. In step E, the parking lights will flash twice instead of once.
C. Turn the ignition off. The parking lights will flash 3 times and the LED will turn off.

TO PROGRAM PASSIVE ARMING WITH OR WITHOUT DOOR LOCKS
A. Make sure system is disarmed.
B. Turn the ignition to the on or run position.
C. Press and hold button #1 on the transmitter for approximately 10 seconds or until the parking lights flash once.
D. Press and release button #3. The parking lights will flash 3 times and the LED will begin to flash.
E. Press and release button #2 until the desired option is selected:
-1 Parking light flash = Door lock in passive arming
-2 Parking light flashes = Doors won't lock in passive arming
-3 Parking light flashes = Passive arming is not turned on (To turn on passive arming, refer to passive arming on in programming options)
F. Turn the ignition switch to the off position. The parking lights will flash 3 times and the LED will stop flashing.

TO PROGRAM IGNITION CONTROLLED DOOR LOCKS ON/OFF
If you turned this feature on in programming options for keyless entry, then it is turned on for the alarm feature. To turn this feature on and off, please make sure the system is disarmed and follow the procedures for ignition controlled door locks in the keyless entry, section.

SYSTEM PROGRAMMING OPTIONS
To Teach The Unit A Factory Replacement Transmitter: NOTE: When used as an alarm, make sure system is disarmed.
A. Turn the ignition switch to the on or run position.
B. Press and hold button #1 on the transmitter that came with the unit for approximately 10 seconds or until the parking lights flash once.
C. Press and release button #2 on the transmitter that came with the unit. The parking lights will flash twice and the LED starts to flash.
D. Press and release button #4 on the transmitter that came with the unit. The parking lights will flash once.
E. Press any button on the new transmitter within 15 seconds and the parking lights will flash once when the new transmitter is learned. It doesn't learn the new transmitter or no button is pressed within 15 seconds, the parking lights will flash twice.
F. Turn the ignition switch to the off position. The parking lights will flash 3 times.
G. If the time expired or the new transmitter wasn't learned, please retry the procedure. If this does not work the second time, please call our technical support staff.

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PROGRAMMING TABLES

TO ENTER OPERATING PROGRAMMING MODE
A. Turn the ignition switch to the on or run position.
B. Press and hold transmitter button #1 for approximately 10 seconds or until the parking lights flash once.
C. Press one of the following buttons to go to the following tables:

BUTTON	FLASHES	SETTING
2	2	TABLE #1
3	3	TABLE #2
4	4	TABLE #3

NOTE: Bold items are factory default settings. Once you enter a programming table, you must start the procedure over to enter a different table.

TABLE ONE

BUTTON	FLASHES	SETTING
1	1	Ignition Controlled Door Locks On
	2	Ignition Controlled Door Locks Off
3	1	Silent Arming On (Full Time)
	2	Silent Arming Off
	4	Within 15 seconds of pressing button #4, press any button on your new transmitter. If your new transmitter is programmed, the parking lights will flash 1 time. If no new transmitter is programmed within 15 seconds, the parking lights will flash 3 times.

TABLE TWO

BUTTON	FLASHES	SETTING
1	1	Passive Arming On
	2	Passive Arming Off
2	1	Passive Arming With Door Locks
	2	Passive Arming Without Door Locks
	3	Passive Arming Is Not Activated

TABLE THREE

BUTTON	FLASHES	SETTING
4	4	Erasing E-Squared Memory Restoring Factory Defaults

CAUTION: When button #4 is selected, the parking lights will flash 4 times. The unit will return to all factory default settings and all transmitter codes will be erased. To Program 1st remote: Remove power from unit, then power up again.

TO EXIT PROGRAMMING MODE
Turn off ignition. The parking lights will flash 3 times and the LED will stop flashing. The new settings will now be programmed into your system.

TO ENTER INSTALLATION PROGRAMMING MODE
CAUTION: Only access these features if instructed b authorized personnel or if the unit's memory has been reset to factory defaults. Please call Technical Support at 1(800) 878-8007 for assistance.
NOTE: When using as an alarm, make sure system is disarmed.
A. Turn the ignition switch to the on or run position.
B. Press and hold transmitter button #1 for approximately 10 seconds or until the parking lights flash once.
C. Press one of the following buttons to go to the following tables:

BUTTON	FLASHES	SETTING
1	1	TABLE #4
2	2	TABLE #5

NOTE: Bold items are factory default settings.

TABLE FOUR

BUTTON	FLASHES	SETTING
1	1	0.6 sec. Door Lock Pulse Length

	2	3.5 sec. Door Lock Pulse Length
2	1	Negative Input Activated
	2	Negative Input Deactivated
3	1	Siren Tone Output
	2	Car Horn Output
4	1	Positive Door Pin Input
	2	Negative Door Pin Input

TABLE FIVE

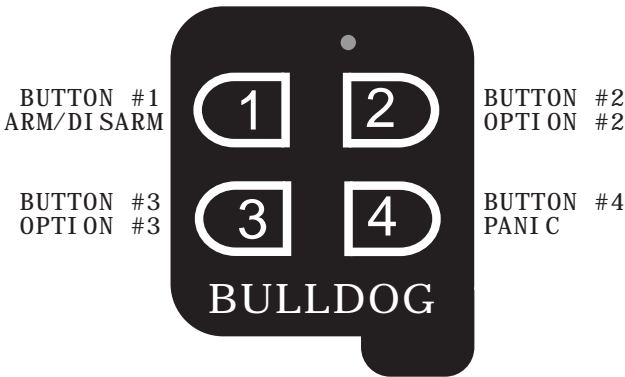| BUTTON	FLASHES	SETTING
2	1	Delayed Dome Lights Activated
	2	Delayed Dome Lights Deactivated

TO EXIT PROGRAMMING MODE
Turn the ignition switch to the off position. The parking lights will flash 3 times.

LED STATUS INDICATOR
The LED (Red Light) provides valuable information about the 1402 and is also used as a theft deterrent to would-be thieves.

STATUS	LED DISPLAY
Armed	Flashing Slow
Disarmed	Off
Passive Arming	Flashing Fast (Arming Count Down)
Valet	Constantly On

VIOLATED ZONE	TRIGGERED DEVICE	NUMBER OF FLASHES
Zone 3	External Sensors	3 Flashes
Zone 4	Door Switches	4 Flashes

HOW TO USE YOUR REMOTE TRANSMITTER

BUTTON #1 ARM/DISARM — [1]
BUTTON #2 OPTION #2 — [2]
BUTTON #3 OPTION #3 — [3]
BUTTON #4 PANIC — [4]

BULLDOG

KEYLESS ENTRY FUNCTIONS

LOCKING DOORS
Press transmitter button #1 to lock the doors. The parking lights will flash once and the horn or siren will sound acknowledging the unit received the signal.

UNLOCKING DOORS
Pressing transmitter button #1 again will unlock the doors. The parking lights will flash twice and then stay on for approximately 30 seconds and the horn or siren will sound twice acknowledging the unit received the signal. NOTE: If dome light feature is installed, the dome light will come on and stay on for 30 seconds.

LOCKING AND UNLOCKING WITH IGNITION SWITCH
See keyless entry programming options. NOTE: If your vehicle already has this option, (Factory Installed) do not activate.

FULL TIME SILENT KEYLESS ENTRY
This will eliminate the horn or siren from sounding when locking or unlocking your doors (See Silent Arming & Disarming in Alarm Programming Options).

ALARM FUNCTIONS

VALET MODE
The valet mode prevents the system from arming while in passive or active arming. To activate valet mode, first disarm the system. Hold down button #4 for 10 seconds. The system will chirp once and the parking lights will flash once. The LED will remain solid red when in valet mode. To deactivate valet mode, repeat the above; however, the system will now chirp twice and the LED turns off.

This feature is useful when having your vehicle valet parked, washed or serviced. While in valet mode, keyless entry and instant panic will still work; however, the alarm will not arm. Valet mode may also be programmed while the engine is running.

Arming Press transmitter button #1 to arm the system. The siren will chirp or the horn will sound once. The parking lights will flash once, the power door locks will lock (if installed) and the LED will flash slowly indicating the alarm is now armed. The engine starter is also disabled (if installed).

DISARMING
Pressing transmitter button #1 again will disarm the system. The siren will chirp or the horn will sound twice. The parking lights will flash twice and stay illuminated for 30 seconds, and the power door locks will unlock (if installed), acknowledging that the system is disarmed. NOTE: If you hear 3 or 4 siren chirps or horn beeps or see 3 or 4 parking light flashes when disarming, the vehicle was violated while you were away. Check the LED for zone violation (See Operating Instructions - LED Status Indicator). This is a good time to check your vehicle for possible damage. When disarming, the dome light will turn on for 30 seconds (if installed).

ONE TIME SILENT ARMING/DISARMING
Should you desire not to have the siren chirp or horn beep when arming and disarming for this arming only, press and hold transmitter button 91 for 3 seconds. The system will perform all its usual arming functions, except there will be no arming and disarming chirps or beeps. If the alarm is triggered, the siren or horn will provide its normally loud sound.

PASSIVE ARMING
See Alarm Programming Options for Passive Arming. NOTE: When the last door is closed, you will hear a series of chirps (long-short-long) indicating system is now in arming countdown. The unit will be fully armed in 30 seconds.

FULLTIME SILENT ARMING/DISARMING
See Alarm Programming Options for Full Time Silent Arming/Disarming. NOTE: When in Passive Arming, you will not hear the last door-closed alert, 30 second warning chirp or the arming chirp.

OVERRIDE SWITCH
In the event your remote control is lost, damaged, malfunctions; this or switch allows you to disarm your system. You must first open the door, turn the ignition key to the "ON" position, then press and hold the override switch for 3 seconds. The siren or horn will silence and you will be able to start the engine. A second way to use this feature is to open a door and cycle the key on and off 3 times in 1 second (No Switch Used). NOTE: A door must remain open during both procedures.

FULL TIME INSTANT PERSONAL PANIC PROTECTION
Press and release transmitter button #4 to sound the instant panic alert. The lights and horn or siren (If Installed) will activate for 30 seconds and then shut off. To stop the alert before the 30 seconds, press any of the 4 transmitter buttons. This feature functions if the system is armed, disarmed or in keyless entry mode, even if the engine is running.